

United States Patent [19]

Johnson

[11] Patent Number:

5,637,310

Date of Patent:

*Jun. 10, 1997

| Johnson | | | (13) 2400 02 2 4100 | |
|---|-------------------------------|--|--|--|
| [54] | | OF TREATING PROSTATIC ARCINOMA | 5,032,586 7/1991 Holt et al | |
| [75] | Inventor: | Randall K. Johnson, Ardmore, Pa. | FOREIGN PATENT DOCUMENTS | |
| [73] | Assignee: | SmithKline Beecham Corporation, King of Prussia, Pa. | 0004949B1 4/1978 European Pat. Off 200859 11/1986 European Pat. Off 279010 8/1988 European Pat. Off | |
| [*] | Notice: | The term of this patent shall not extend beyond the expiration date of Pat. No. 5,300,294. | 0285383A2 10/1988 European Pat. Off 414490A 2/1991 European Pat. Off 414491A 2/1991 European Pat. Off 9100733 1/1991 WIPO . | |
| [21] | Appl. No. | : 452,765 | OTHER PUBLICATIONS | |
| [22] | Filed: | May 30, 1995 | J. Natl Cancer Inst; 74(2) pp. 475-486 (1985). The Urologic Clinics of North America; vol. 18, No. 1 pp. | |
| | Related U.S. Application Data | | 93-98 (1991). Progress in Cancer Research Therapy; vol. 31, No. 2 pp. | |
| [63] | Continuation 5,496,556. | on of Ser. No. 170,481, Dec. 20, 1993, Pat. No. | 477-489 (1984). J. Med. Chem.; vol. 33, No. 3, pp. 937-942 (1990). J. Med. Chem.; vol. 33, No. 3, pp. 943-950 (1990). J. Steroid Biochem; vol. 34, Nos. 1-6, pp. 571-575 (1989). The Prostate; 18, pp. 215-227 (1991). J. Steroid Biochem; 24, pp. 887-886 (1986). Bio Chemistry; 28, pp. 140-148 (1989). Endocrinology, 117 No. 2, pp. 571-579 (1985). Academic Press, Inc, CH 8 V, pp. 269-304 (1984). | |
| [51] | Int. Cl.6 | | | |
| [52] | 424/ 514/ | | | |
| [58] | Field of Search | | Primary Examiner—Carlos Azpuru Attorney, Agent, or Firm—Wayne J. Dustman; Charles M. Kinzig; Edward T. Lentz | |
| [56] | | References Cited | [57] ABSTRACT | |
| U.S. PATENT DOCUMENTS 4,882,319 11/1989 Holt et al | | 1/1989 Holt et al. 514/119 3/1990 Holt et al. 514/319 6/1990 Holt et al. 514/75 8/1990 Holt et al. 514/135 | Invented is a Method of Treating Prostatic Adenocarcinoma by employing asteroid 5- α -reductase inhibiting compound or a combination of steroid 5- α -reductase inhibiting com- pounds. | |
| | 4.970,205 1 | 1/1990 Holt et al | 2 Claims, No Drawings | |